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Government
Publications



Canada. Census 1976

Annotated Updates and Addenda.

Age-Sex structure of Canada's population.

Government
Publications

The Age-Sex Structure of Canada's Population
A Compendium of Selected Data
(ATM #9)

4M091

ANNOTATED UPDATES AND ADDENDA BASED
on the
1976 CENSUS DATA

by
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I. Introduction *

The following tables and charts provide updated addenda to the previously published Analytical and Technical Memorandum (ATM) #9, entitled "The Age-Sex Structure of Canada's Population: A Compendium of Selected Data", and dated January, 1974. The addenda should be added to ATM #9 as follows:

Item in This Package	Where to Insert in ATM #9
P. 2, Line 1	P. 16, Table 1, after Line 16
P. 2, Lines 2 to 15	P. 17, 18, Table 2, add appropriate line after each province
P. 2, Line 16	P. 30, table 8, after line 8
P. 2, Lines 17 to 20	P. 36, table 14, lines 9, 18, 27 and 28 respectively
P. 2, Lines 21 to 24	P. 37, table 15, add appropriate line after each country
P. 2, Sources	Pages 16, 18, 30, 36, 37, add appropriate source after each table
P. 3, Table 3	P. 19, table 3 (replaces existing table)
P. 4, Table 13	P. 35, table 13 (replaces existing table)
P.6-9, Charts 1A, 1B, 2A, 2B	P. 42-45 (replaces existing charts)
P.10, Chart 4	P. 49 (replaces existing chart)
P.11-14, Chart 6A, 6B, 7A, 7B	P. 51-54 (replaces existing charts)
P.15, Chart 7D	P. 56 (replaces existing chart)

* The technical assistance of G. Ouellette is gratefully acknowledged.

TABLE UPDATES

APPENDIX FOR ATW 0 - 1976 UPDATES

NO. POPULATION	ABSOLUTE NUMBERS				PERCENTAGES			DEPENDENCY RATIOS			AGED TO CHILD	MEDIAN AGE	SEX RATIO
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)

TABLE 1, LINE 17

1 1976	5896	15094	2002	22993	25.6	65.6	8.7	0.391	0.133	0.523	0.340	27.81	991.9
--------	------	-------	------	-------	------	------	-----	-------	-------	-------	-------	-------	-------

TABLE 2, VARIOUS LINES

2 1976, CANADA	5896	15094	2002	22993	25.6	65.6	8.7	0.391	0.133	0.523	0.340	27.81	991.9
3 1976, ATLANTIC	638	1352	192	2182	29.2	62.0	8.8	0.472	0.142	0.613	0.290	25.43	1009.8
4 1976, Nfld.	188	333	37	558	33.7	59.8	6.6	0.563	0.117	0.673	0.195	22.72	1033.0
5 1976, P.E.I.	33	72	13	118	28.1	60.7	11.2	0.463	0.185	0.648	0.309	26.61	1007.0
6 1976, N.S.	224	524	81	820	27.0	63.2	9.7	0.427	0.154	0.581	0.361	27.06	999.4
7 1976, N.B.	193	423	61	677	29.5	62.5	9.0	0.456	0.144	0.601	0.316	25.70	1004.2
8 1976, QUE.	1550	4203	481	6234	24.9	67.4	7.7	0.369	0.115	0.483	0.310	27.72	979.3
9 1976, ONT.	2074	5452	739	8264	25.1	66.0	8.9	0.380	0.136	0.516	0.356	28.54	983.0
10 1976, PRATRIES	1116	2418	347	3780	26.9	63.9	9.2	0.420	0.142	0.564	0.341	26.94	1015.9
11 1976, MAN.	265	650	107	1022	26.0	63.6	10.4	0.468	0.164	0.572	0.402	28.04	989.3
12 1976, SASK.	248	571	102	921	26.9	62.0	11.1	0.434	0.179	0.613	0.412	27.64	1018.0
13 1976, ALTA.	503	1197	138	1836	27.4	65.1	7.5	0.420	0.115	0.536	0.274	28.11	1029.5
14 1976, B.C.	595	1629	242	2467	24.1	66.1	9.8	0.365	0.149	0.514	0.407	29.09	998.7
15 1976, YUK.+NWT	23	40	2	64	35.5	61.8	2.8	0.575	0.045	0.619	0.078	22.12	1127.0

TABLE 8, LTNE 0

16 1971-76	211	607	24	841	25.1	72.1	2.8	0.347	0.039	0.386	0.112	24.25	1005.8
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TABLE 14, VARIOUS LINES

17 MEXICO	1974	27876	30199	2071	60145	46.3	50.7	3.4	0.923	0.069	0.902	0.074	16.70	1019.4
18 CANADA	1976	5896	15094	2002	22993	25.6	65.6	8.7	0.391	0.133	0.523	0.340	27.81	991.9
19 U.K.	1975	13075	35060	7829	55962	23.4	62.6	14.0	0.373	0.223	0.596	0.595	33.96	967.9
20 U.S.A.	1974	54617	134960	21815	211392	25.8	63.8	10.3	0.405	0.162	0.566	0.399	28.66	949.3

TABLE 15, VARIOUS LINES

21 1976, CANADA	5896	15094	2002	22993	25.6	65.6	8.7	0.391	0.133	0.523	0.340	27.81	991.9
22 1973, AUSTRALIA	3729	8300	1103	13132	28.4	63.2	8.4	0.449	0.133	0.582	0.296	27.70	1008.8
23 1974, NEW ZEALAND	938	1889	267	3095	30.3	61.0	8.6	0.497	0.142	0.638	0.285	26.20	1002.0
24 1974, U.S.A.	54617	134960	21815	211392	25.8	63.8	10.3	0.405	0.162	0.566	0.399	28.66	949.3

SOURCES:

TABLE 1

(6) DATA FOR 1976 -

CANADA, STATISTICS CANADA. 1976 CENSUS OF CANADA, VOL. 2(BULL. 2-4), "POPULATION", TABLE 12. OTTAWA: MINISTER OF SUPPLY AND SERVICES, 1978

TABLE 14

(5) CANADA, STATISTICS CANADA. 1976 CENSUS OF CANADA, VOL. 2 (BULL. 2-4), "POPULATION", TABLE 12. OTTAWA: MINISTER OF SUPPLY AND SERVICES, 1978.

(6) U.N. DEMOGRAPHIC YEARBOOK, 1975. NEW YORK: U.N., 1976, TABLE 7. (FOR MEXICO, U.S.A., U.K.)

TABLE 15

(7) CANADA, STATISTICS CANADA. 1976 CENSUS OF CANADA, VOL. 2 (BULL. 2-4), "POPULATION", TABLE 12. OTTAWA: MINISTER OF SUPPLY AND SERVICES, 1978.

(8) U.N. DEMOGRAPHIC YEARBOOK, 1975. NEW YORK: U.N., 1976, TABLE 7.

TABLE 3 - THE POPULATION OF CANADA BY URBAN/RURAL RESIDENCE, 1976

NO.	POPULATION	ABSOLUTE NUMBERS				PERCENTAGES			DEPENDENCY RATIOS			AGED TO CHILD (11)	MEDIAN AGE (12)	SEX RATIO (13)
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
1	CANADA	5896	15094	2002	22993	25.6	65.6	8.7	0.291	0.133	0.523	0.346	27.81	991.9
2	URBAN	4224	11602	1541	17367	24.3	66.8	8.9	0.364	0.133	0.497	0.365	28.32	965.0
3	500000+ POP.	1962	5838	715	8515	23.0	68.6	8.4	0.336	0.122	0.459	0.365	29.09	955.8
4	100000-499999	785	2107	278	3170	24.8	66.5	8.8	0.373	0.132	0.505	0.355	27.76	966.4
5	30000-99999	447	1213	164	1824	24.5	66.5	9.0	0.369	0.135	0.504	0.366	27.76	961.6
6	10000-29999	434	1062	146	1642	26.4	64.7	8.9	0.409	0.138	0.547	0.337	26.88	980.5
7	5000-9999	200	462	68	730	27.4	63.2	8.2	0.434	0.148	0.582	0.340	26.84	992.0
8	2500-4999	201	478	84	763	26.4	62.6	11.0	0.421	0.176	0.557	0.418	27.63	984.4
9	1000-2499	194	443	85	722	26.9	61.3	11.8	0.429	0.192	0.631	0.428	27.66	997.9
10	RURAL	1672	3493	461	5626	29.7	62.1	8.2	0.479	0.132	0.611	0.276	25.99	1079.7
11	NON-FARM	1364	2819	408	4591	29.7	61.4	8.9	0.484	0.145	0.629	0.299	26.18	1061.2
12	FARM	307	674	53	1035	29.7	65.2	5.1	0.456	0.079	0.535	0.172	24.73	1165.6
13	CHADS	3245	9132	1115	13492	24.1	67.7	8.3	0.355	0.122	0.478	0.344	28.50	964.8
14	CALGARY	120	320	30	470	25.5	68.0	6.5	0.375	0.095	0.471	0.254	26.51	992.0
15	CHICOUTIMI	36	88	6	124	26.7	68.4	4.9	0.390	0.072	0.462	0.186	24.96	990.0
16	EDMONTON	143	376	36	554	25.8	67.9	6.5	0.380	0.095	0.476	0.250	25.96	1008.0
17	HALIFAX	70	179	16	266	26.1	66.9	7.0	0.351	0.104	0.495	0.267	26.30	981.9
18	HAMILTON	130	352	47	529	24.6	66.5	8.9	0.370	0.134	0.503	0.362	29.06	977.4
19	KITCHENER	71	179	22	272	26.2	65.0	7.5	0.397	0.120	0.517	0.302	27.04	994.9
20	LONDON	65	181	24	276	24.0	67.1	9.0	0.357	0.134	0.491	0.375	28.23	951.4
21	MONTREAL	649	1932	222	2802	23.1	68.9	7.5	0.336	0.115	0.451	0.342	29.28	953.3
22	OSHAWA	37	89	16	135	27.1	65.6	7.3	0.413	0.111	0.524	0.268	27.29	986.3
23	OTTAWA-HULL	171	475	47	693	24.7	68.4	6.8	0.361	0.100	0.461	0.276	27.39	962.4
24	ONT. (PART)	122	360	40	521	23.4	69.0	7.6	0.339	0.110	0.440	0.324	28.21	951.0
25	QUEBEC (PART)	49	115	8	172	28.8	66.7	4.5	0.431	0.068	0.499	0.158	25.12	997.3
26	QUEBEC	130	373	30	542	24.9	68.8	7.2	0.349	0.105	0.454	0.302	27.89	933.6
27	REGINA	39	99	13	151	25.7	65.6	8.7	0.392	0.133	0.525	0.330	26.56	957.9
28	SAINT JOHN	31	72	11	113	27.1	63.3	9.6	0.428	0.151	0.579	0.353	26.95	957.6
29	SASKATOON	33	88	13	134	24.6	65.9	9.5	0.374	0.144	0.519	0.386	26.36	929.0
30	ST.CATHARINES	75	197	29	302	25.0	65.3	9.7	0.382	0.149	0.531	0.388	29.21	972.1
31	ST.JOHNS	42	91	10	143	29.5	63.5	7.0	0.445	0.110	0.575	0.237	24.67	969.2
32	SUDBURY	46	102	8	157	29.5	65.5	5.3	0.447	0.080	0.528	0.180	24.97	1026.8
33	THUNDER BAY	29	79	11	119	24.6	65.9	9.5	0.374	0.144	0.518	0.384	28.42	1017.2
34	TORONTO	663	1911	229	2803	23.6	68.2	8.2	0.347	0.120	0.467	0.346	29.32	964.3
35	VANCOUVER	252	791	123	1166	21.6	67.9	10.6	0.318	0.156	0.474	0.480	30.55	972.2
36	VICTORIA	43	141	34	218	19.8	64.8	15.5	0.305	0.239	0.544	0.782	33.00	916.7
37	WINDSOR	64	159	25	246	25.8	64.1	10.1	0.403	0.158	0.581	0.393	28.27	966.9
38	WINNIPEG	136	384	59	578	23.5	66.3	10.1	0.355	0.153	0.508	0.431	28.72	945.1

ABSOLUTE NUMBERS (COL. 1 TO 4) ARE IN UNITS OF 1000'S OF PERSONS.

LINE 15 - FOR CHICOUTIMI READ CHICOUTINI - JONQUIERE.

LINE 30 - FOR ST. CATHARTINES READ ST. CATHARTINES - NIAGARA.

SOURCES - (1) CANADA, STATISTICS CANADA, 1976 CENSUS OF CANADA, VOL. 2 (BULL. 2-6), "POPULATION", TABLES 12 AND 14. OTTAWA: MINISTER OF SUPPLY AND SERVICES, CANADA, 1978.

TABLE 13 - POPULATION PROJECTIONS, CANADA, 1976, 1986, 1991 AND 2001

NO. POPULATION	ABSOLUTE NUMBERS				PERCENTAGES			DEPENDENCY RATIOS			AGED TO CHILD	MEDIAN AGE	SEX RATIO
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1 1976	5996	15094	2002	22993	25.6	65.6	8.7	0.391	0.133	0.523	0.340	27.81	991.9
ASSUMPTION 1													
2 1981	5602	16568	2314	24574	23.2	67.4	9.4	0.344	0.140	0.483	0.407	29.24	987.1
3 1986	6081	17625	2626	26331	23.1	66.9	10.0	0.345	0.149	0.494	0.432	30.58	983.0
4 1991	6668	18425	2995	28092	23.7	65.6	10.7	0.362	0.163	0.525	0.450	32.04	979.5
5 2001	6850	20660	3463	30981	22.1	66.7	11.2	0.331	0.168	0.499	0.505	34.88	974.5
ASSUMPTION 2													
6 1981	5655	16478	2309	24441	23.1	67.4	9.4	0.343	0.140	0.483	0.408	29.28	987.3
7 1986	6004	17437	2614	26054	23.0	66.9	10.0	0.344	0.150	0.494	0.435	30.64	983.1
8 1991	6551	18132	2979	27661	23.7	65.5	10.8	0.361	0.164	0.526	0.455	32.11	979.6
9 2001	6650	20137	3425	30221	22.0	66.6	11.3	0.331	0.170	0.501	0.514	35.04	974.7
ASSUMPTION 3													
10 1981	5552	16478	2309	24338	22.8	67.7	9.5	0.337	0.140	0.477	0.416	29.39	987.0
11 1986	5666	17437	2614	25716	22.0	67.8	10.2	0.325	0.150	0.475	0.461	31.02	982.3
12 1991	5865	18132	2979	26975	21.7	67.2	11.0	0.323	0.164	0.488	0.508	32.80	977.9
13 2001	5568	19800	3425	28793	19.3	68.8	11.0	0.281	0.173	0.454	0.615	36.50	971.1
ASSUMPTION 4													
14 1981	5515	16387	2307	24205	22.8	67.7	9.5	0.337	0.141	0.477	0.418	29.42	987.0
15 1986	5589	17250	2601	25440	22.0	67.8	10.2	0.324	0.151	0.475	0.465	31.08	982.4
16 1991	5752	17838	2958	26549	21.7	67.2	11.1	0.322	0.166	0.488	0.514	32.89	978.0
17 2001	5398	19268	3388	28054	19.2	68.7	12.1	0.280	0.176	0.456	0.628	36.68	971.1

ABSOLUTE NUMBERS (COL. 1 TO 4) ARE IN UNITS OF 1000'S OF PERSONS.

ASSUMPTION 1 - FERTILITY INCREASING SLIGHTLY (1.9 IN 1976 TO 2.1 IN 1991), NET MIGRATION OF 100,000 PERSONS;

ASSUMPTION 2 - FERTILITY INCREASING SLIGHTLY (1.9 IN 1976 TO 2.1 IN 1991), NET MIGRATION OF 75,000 PERSONS;

ASSUMPTION 3 - FERTILITY DECREASING SLIGHTLY (1.9 IN 1976 TO 1.7 IN 1991), NET MIGRATION OF 75,000 PERSONS;

ASSUMPTION 4 - FERTILITY DECREASING SLIGHTLY (1.9 IN 1976 TO 1.7 IN 1991), NET MIGRATION OF 50,000 PERSONS.

ALL FOUR ASSUMPTIONS ARE BASED ON A SLIGHTLY INCREASING LIFE EXPECTANCY (69.61 IN 1976 TO 70.22 IN 1986 FOR MALES AND 76.90 IN 1976 TO 78.26 IN 1986 FOR FEMALES).

SOURCE - (1) COMPUTER PRINTOUTS, P.E.P. SECTION, CENSUS FIELD,
STATISTICS CANADA.

CHART UPDATES

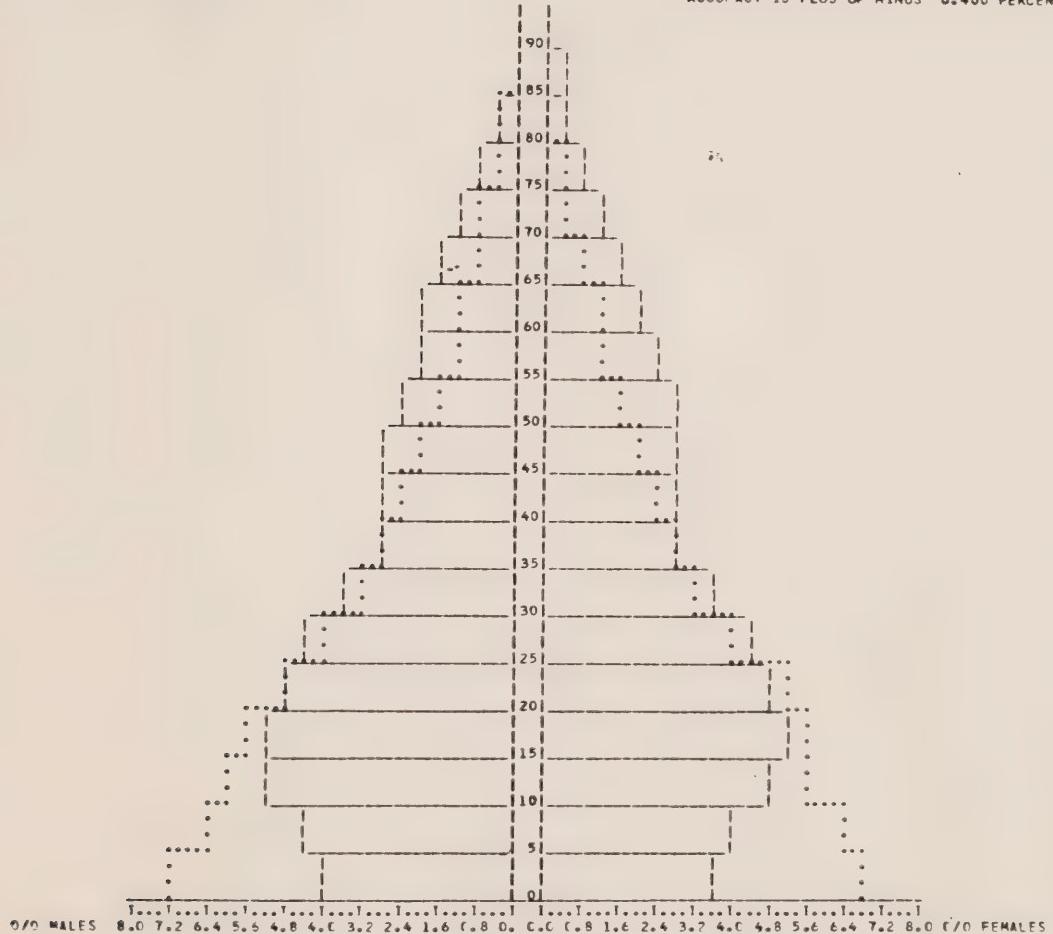
CHART 1 - THE POPULATION OF CANADA, 1881, 1971 AND 1976

A - 1881 VS. 1976

1976
1881

(----)
(....)

ACCURACY IS PLUS OR MINUS 0.400 PERCENT



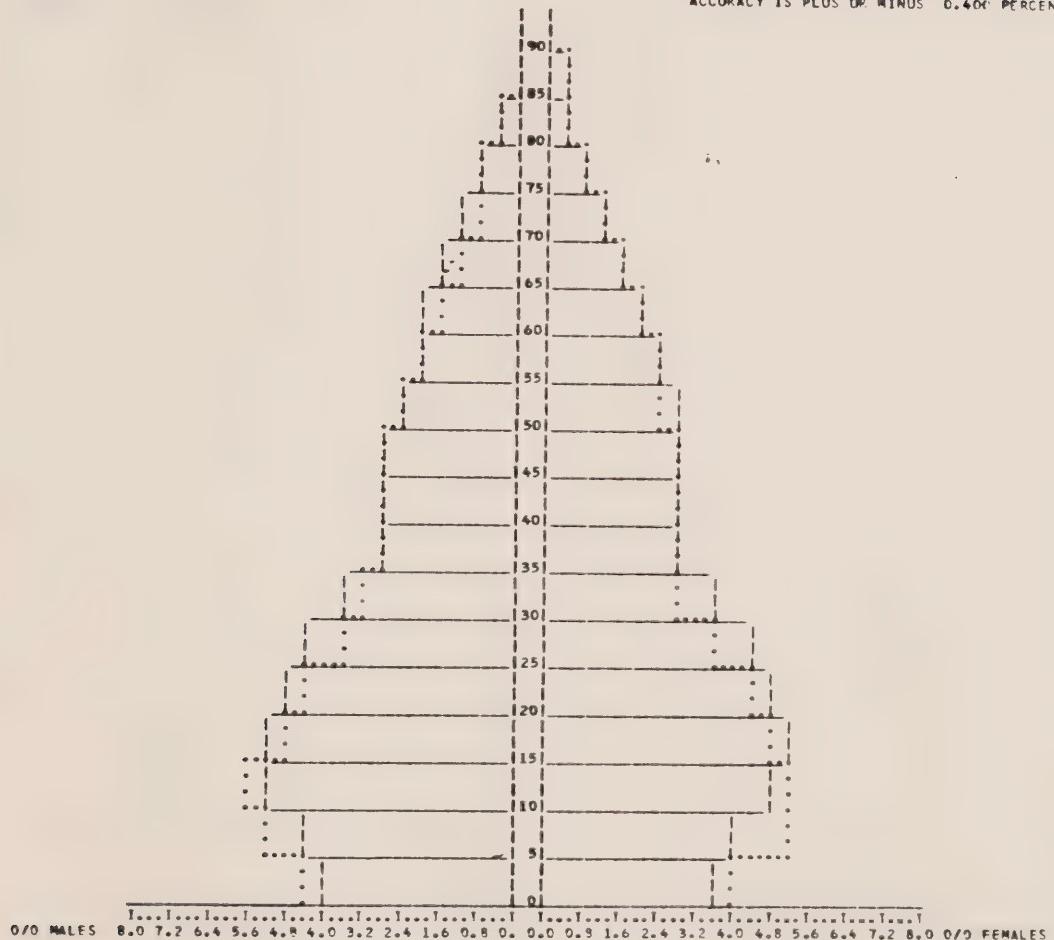
SOURCE - SEE TABLE 1.

CHART 1 - THE POPULATION OF CANADA, 1881, 1971 AND 1976 - CONCLUDED

B - 1971 VS. 1976

1976 (---)
1971 (....)

ACCURACY IS PLUS OR MINUS 0.400 PERCENT



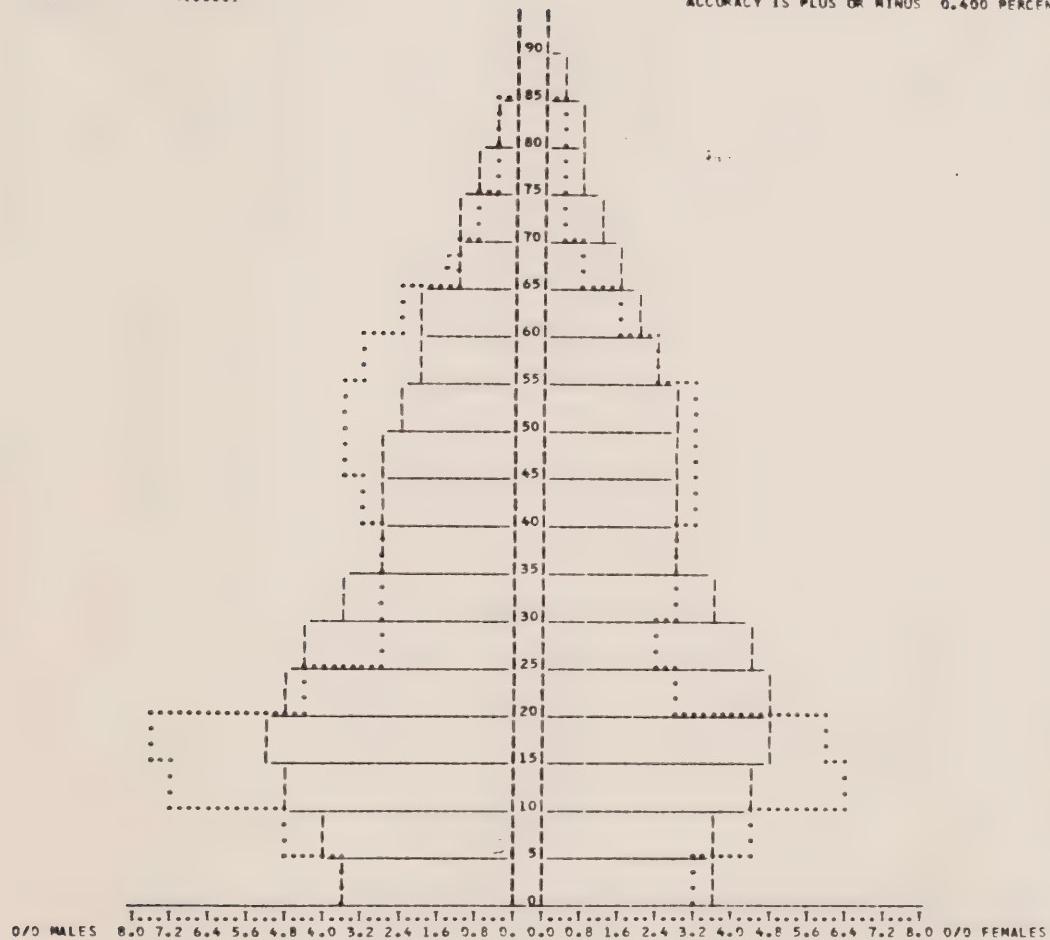
SOURCE - SEE TABLE 1.

CHART 2 - URBAN/RURAL GROUPS, 1976

A - URBAN VS. RURAL FARM

URBAN (—) RURAL FARM (....)

ACCURACY IS PLUS OR MINUS .0400 PERCENT



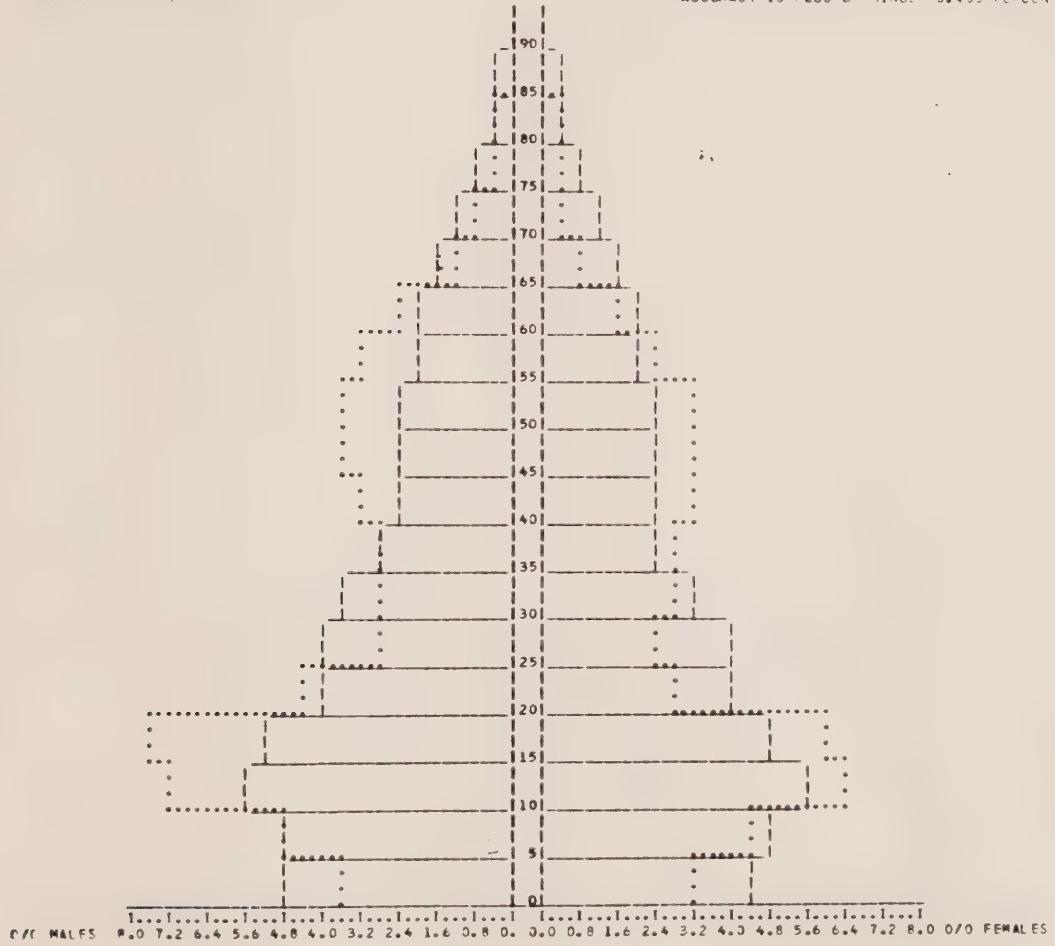
SOURCE - SEE TABLE 3.

CHART 2 - URBAN/RURAL GROUPS, 1976 - CONCLUDED

B - RURAL NON-FARM VS. RURAL FARM

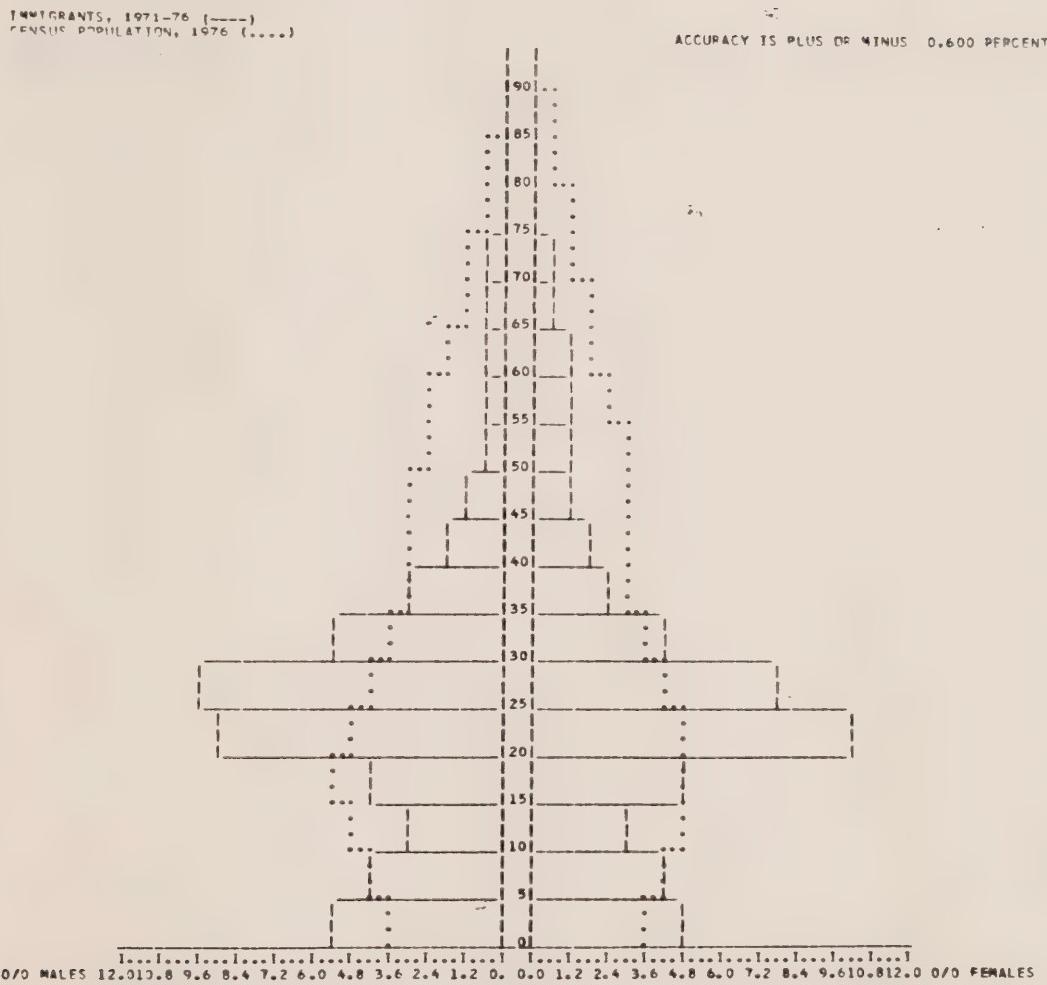
RURAL NON-FARM (----)
RURAL FARM (....)

ACCURACY IS PLUS OR MINUS .400 PERCENT



SOURCE - SEE TABLE 3.

CHART 4 - 1971-76 IMMIGRANTS VS. THE 1976 CENSUS POPULATION



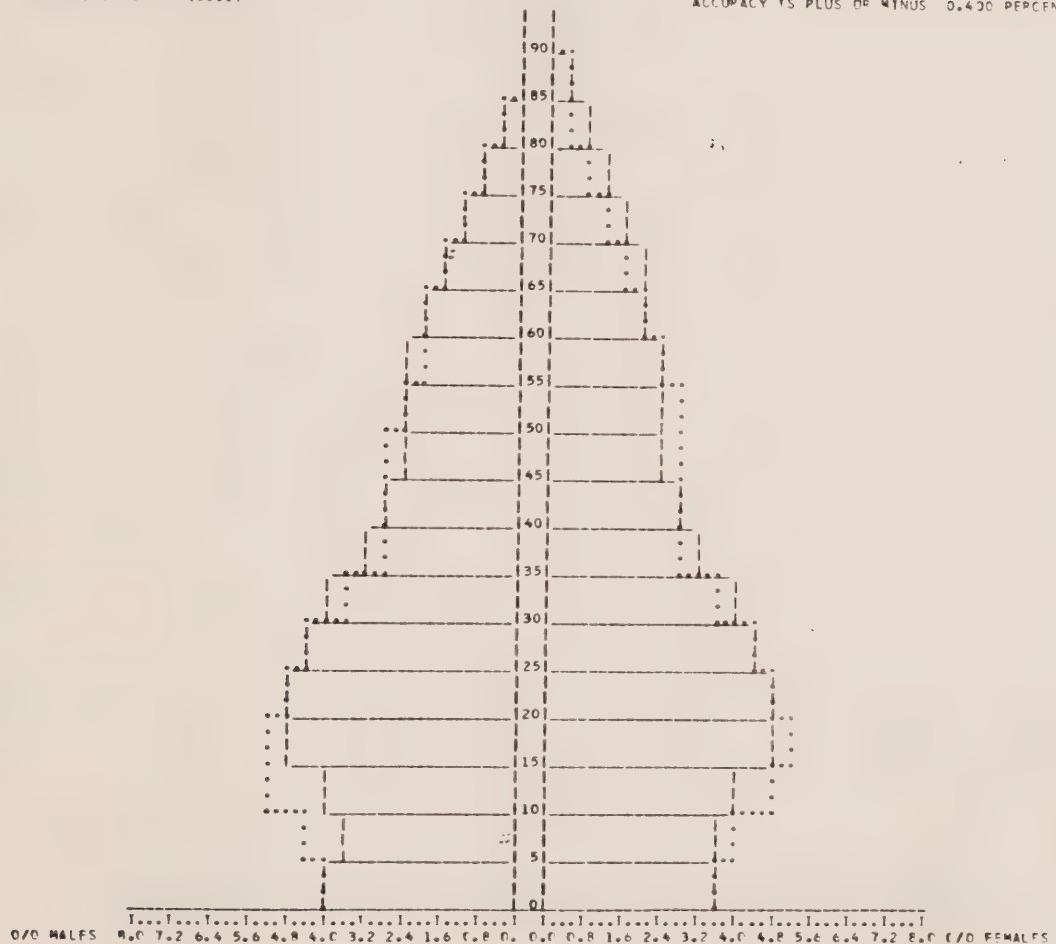
SOURCE - SEE TABLES 1 AND 8.

CHART 6 - PROJECTED VS. CENSUS POPULATIONS

A - PROJECTION, 1981 VS. CENSUS POPULATION, 1976

PROJECTION, 1981 (----)
CENSUS, 1976 (.....)

ACCURACY IS PLUS OR MINUS .400 PERCENT



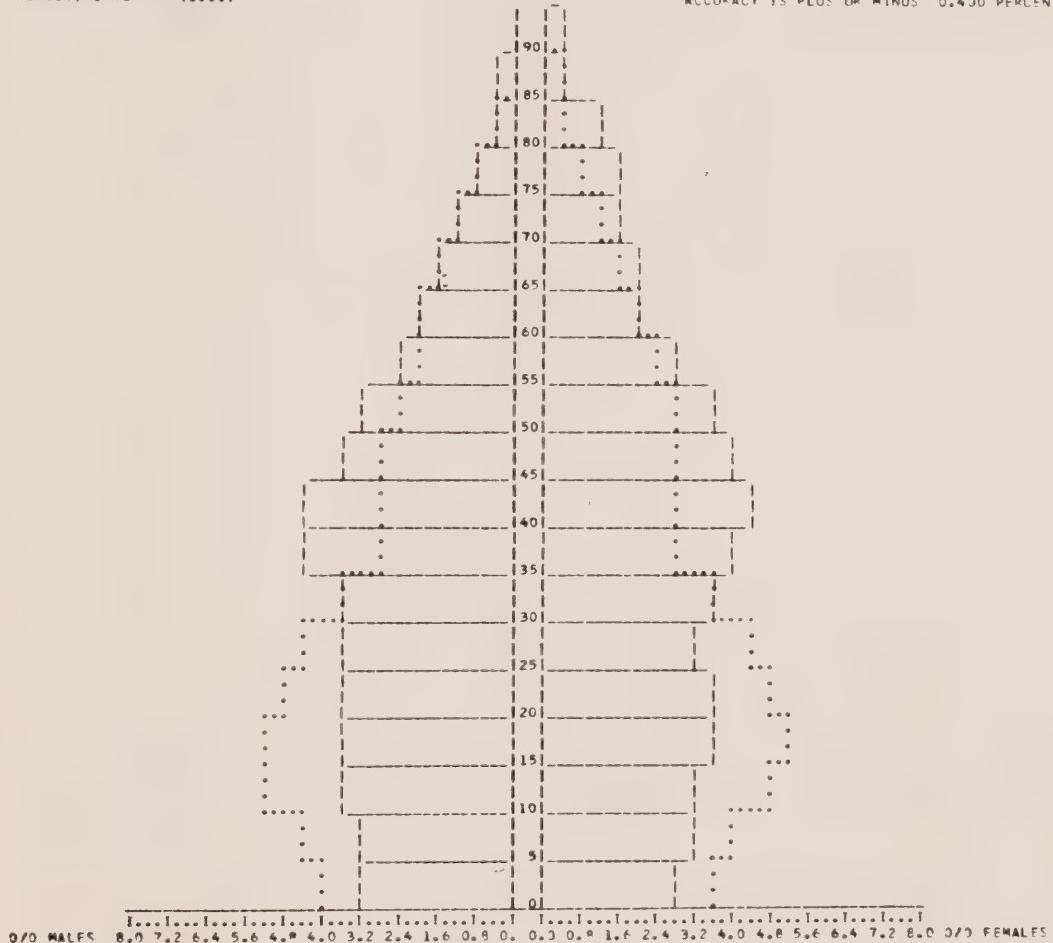
SOURCE - SEE TABLE 13.

CHART 6 - PROJECTED VS. CENSUS POPULATIONS - CONCLUDED

B - PROJECTION, 2001 VS. CENSUS POPULATION, 1976

PROJECTION, 2001 (----)
(CENSUS, 1976) (.....)

ACCURACY IS PLUS OR MINUS 0.400 PERCENT

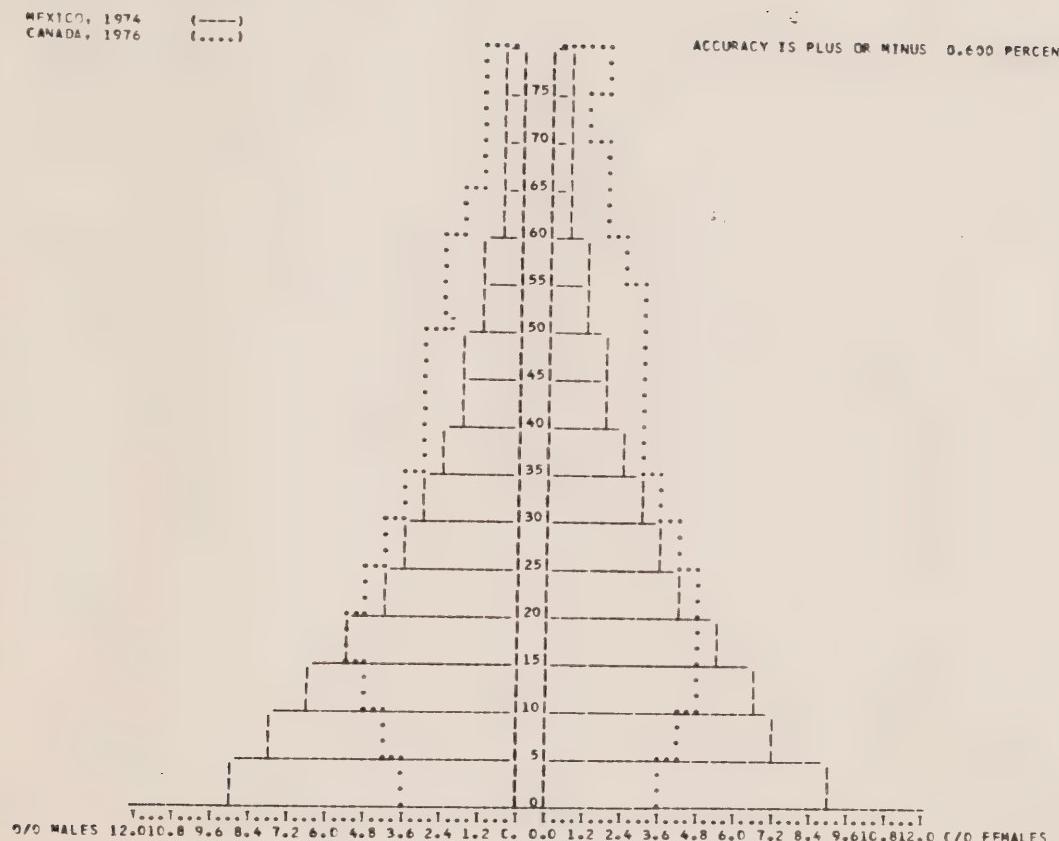


SOURCE - SEE TABLE 13.



CHART 7 - INTERNATIONAL COMPARISONS

A - MEXICO, 1974 VS. CANADA, 1976



SOURCE - SEE TABLE 14.

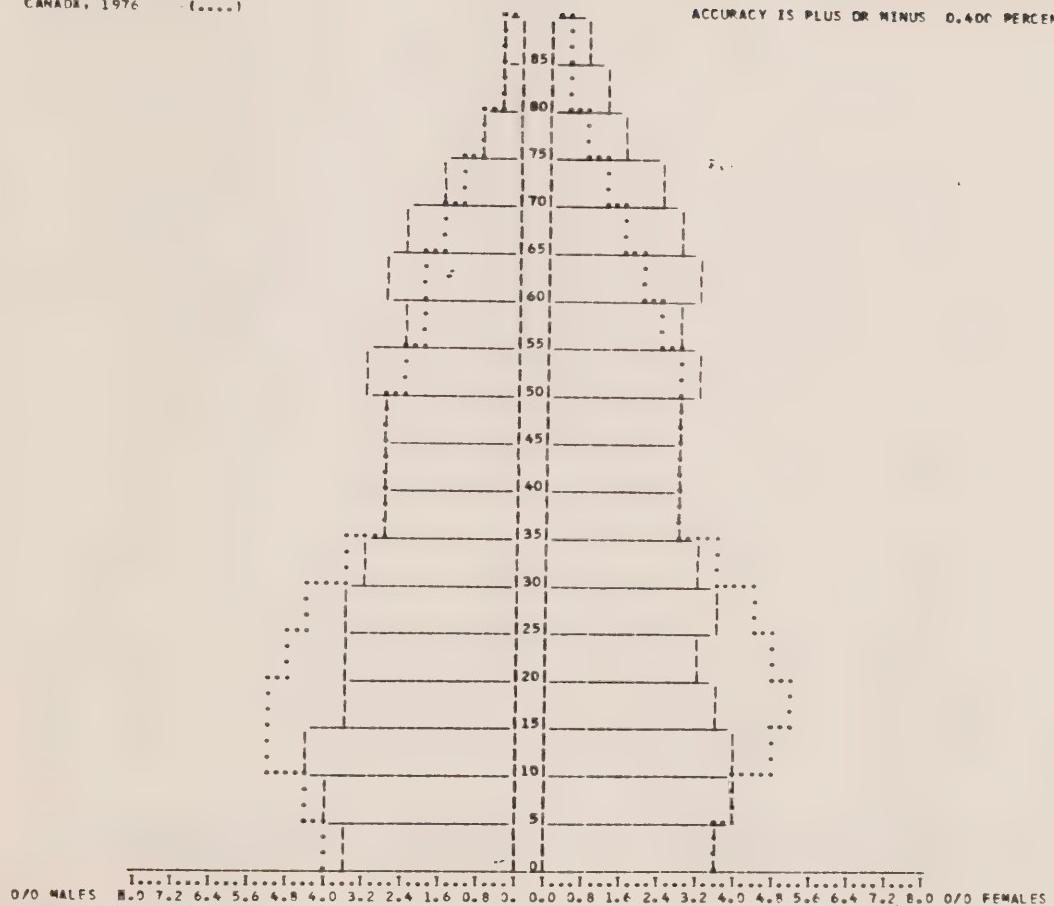


CHART 7 - INTERNATIONAL COMPARISONS

8 - U.K., 1975 VS. CANADA, 1976

U.K., 1975 (----)
CANADA, 1976 (....)

ACCURACY IS PLUS OR MINUS 0.400 PERCENT



0/0 MALES 8.0 7.2 6.4 5.6 4.8 4.0 3.2 2.4 1.6 0.8 0. 0.0 0.8 1.6 2.4 3.2 4.0 4.8 5.6 6.4 7.2 8.0 0/0 FEMALES

SOURCE - SEE TABLE 14.

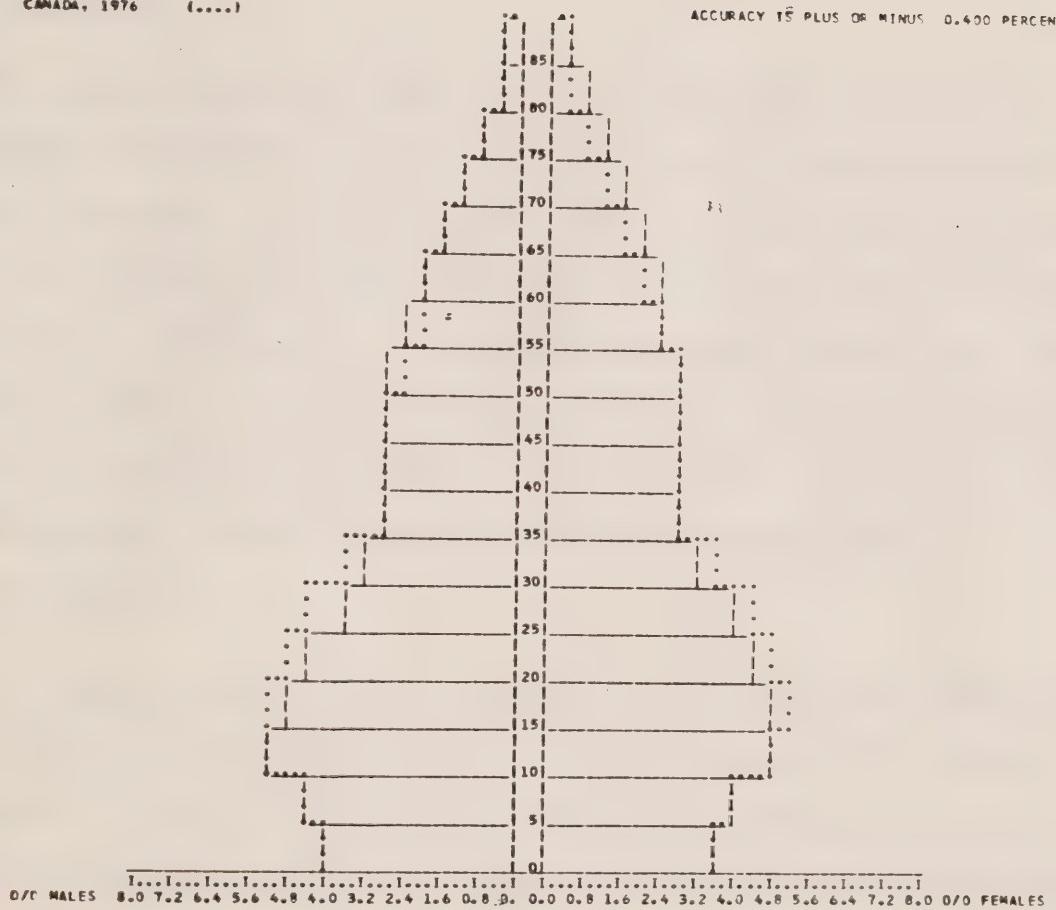


CHART 7 - INTERNATIONAL COMPARISONS - CONCLUDED

0 = U.S.A., 1974 VS. CANADA, 1976

U.S.A., 1974 (—)
CANADA, 1976 (....)

ACCURACY IS PLUS OR MINUS 0.400 PERCENT



SOURCE - SEE TABLE 15.



IV. Analytical Notes

While the objective of both ATM #9 and the updates in this package is to provide data and key parameters for studying the age-sex distribution in Canada, a few analytical notes concerning the national level may be in place here.

The national series for Canada as a whole (P.2, Line No. 1 of this package, and P.12 of ATM #9) reveals the extent of the aging process over the last decade. During the period 1966/76 the proportion of children (0-14) declined from almost one third (32.9%) to just above one quarter (25.6%), reflecting a loss of 700,000 in absolute numbers. Over the same period, the proportion of aged persons (65+) jumped by 1%, from 7.7% to 8.7%, reflecting an increase of almost 500,000. For the period 1971/76, these dramatic changes are shown in the graphic presentation on P. 7 of this package.

The changes affecting children and aged persons are rendered even more vivid via the aged-to-child ratio. The 1976 figure of 0.34 reflects a ratio of roughly one aged person to every three children, compared with the 1966 figure of 0.23, or one aged person to every four or five children.

The adult population (15-64) constituted almost 66% of Canada's 1976 population, compared with only 59% in 1966. In absolute terms, this change reflects an increase by well over 3 million persons. As a consequence, the aged dependency ratio (aged persons/adults) was virtually unchanged over the last decade (1966: 0.130, 1976: 0.133) notwithstanding the increase of the aged population in both relative and absolute terms. Furthermore, the child dependency ratio (children/adults) fell substantially over the same



period, from 0.56 to 0.39. This resulted in the sharp decline shown by the total dependency ratio (children + aged persons/adults), the figures being 0.52 for 1976 and 0.68 for 1966.

Another parameter which dramatizes the extent of the changes in the Canadian age structure, 1966/76, is the median age. Over the last decade, this measure increased by 2.3 years, from 25.5 to 27.8; over the period 1971/76 alone, the increase was 1.5 years.

Note, in this connection, that the series for 1851-1976 reveals that the proportion of adults and aged persons as well as the aged dependency ratio, the aged-to-child ratio and the median age all recorded in 1976 their highest level ever. Similarly, the proportion of children, the child dependency ratio and the total dependency ratio all recorded their lowest level ever.

Noteworthy is the fact that the 1976 data agree completely with the 1976 population projection made on the basis of the 1971 census data and the assumptions of "low mortality", "low fertility" and net migration of 60,000 persons (ATM #9, P.35, "Assumption 3").



